

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Currently Amended) A digital display apparatus for a vehicle, comprising:
  - an optical engine including a light source;
  - a reflection type digital light deflector that has a plurality of micro mirror elements arranged to be respectively tiltable, that digitally switches a tilt angle of each of the micro mirror elements between a first tilt angle and a second tilt angle to switch a reflection direction of [[a]] light from the optical engine between a first reflection direction as an ON state and a second reflection direction as an OFF state;
  - a light irradiation unit that irradiates an ON state light reflected from the reflection type digital light deflector on a road surface; and
  - an information display unit that controls the reflection type digital light deflector, and that displays information using a contrast between the ON state light and [[an]] the OFF state light reflected from the reflection type digital light deflector on the road surface via the light irradiation unit, the information is displayed on the road surface within a main light distribution pattern provided by the light irradiation unit.
2. (Original) The digital display apparatus according to claim 1, further comprising:
  - an information acquisition unit that acquires environmental information surrounding the vehicle, and that outputs the environmental information acquired as an information signal, wherein
    - the information display unit controls the reflection type digital light deflector based on the information signal.
3. (Original) The digital display apparatus according to claim 2, wherein
  - the information acquisition unit is a global positioning system that outputs a position information signal.
4. (Original) The digital display apparatus according to claim 1, wherein

the information is displayed on the road surface within about 17 meters ahead in a direction of traveling of the vehicle.

5. (Original) The digital display apparatus according to claim 1, wherein  
the information is displayed on the road surface within about 14 meters ahead in a direction of traveling of the vehicle.

6. (Original) The digital display apparatus according to claim 1, wherein  
the information is displayed on the road surface within a range from about 4 meters to about 17 meters ahead in a direction of traveling of the vehicle.

7. (Original) The digital display apparatus according to claim 1, wherein  
the information includes at least one of a graphic, a symbol, a letter, a number, a leveling mark, and a mark that indicates width of the vehicle.

8. (Currently Amended) A digital display apparatus for a vehicle, comprising:  
two optical ~~engine~~ engines, each of which includes a light source;  
two reflection type digital light deflectors, each of which has a plurality of micro mirror elements arranged to be respectively tilttable, and digitally switches a tilt angle of each of the micro mirror elements between a first tilt angle and a second tilt angle to switch a reflection direction of light from the optical engines between a first reflection direction as an ON state and a second reflection direction as an OFF state;

two light irradiation units, each of which irradiates an ON state light reflected from the reflection type digital light deflectors on a road surface; and

an information display unit that controls the reflection type digital light deflectors, and that displays information using a contrast between the ON state light and an OFF state light reflected from the reflection type digital light deflectors on the road surface via the light irradiation units, wherein

one of the two reflection digital light deflectors forms the information with the OFF state light under control of the information display unit,

other of the two reflection digital light deflectors forms a non-lighting portion with the OFF state light under control of the information display unit, and

the information display unit displays the information and the non-lighting portion on the road surface via the light irradiation units so that the non-lighting portion surrounds the information.

9. (Original) The digital display apparatus according to claim 8, further comprising:

an information acquisition unit that acquires environmental information surrounding the vehicle, and that outputs the environmental information acquired as an information signal, wherein

the information display unit controls the reflection type digital light deflectors based on the information signal.

10. (Original) The digital display apparatus according to claim 9, wherein

the information acquisition unit is a global positioning system that outputs a position information signal.

11. (Original) The digital display apparatus according to claim 8, wherein

the information is displayed on the road surface within about 17 meters ahead in a direction of traveling of the vehicle.

12. (Original) The digital display apparatus according to claim 8, wherein

the information is displayed on the road surface within about 14 meters ahead in a direction of traveling of the vehicle.

13. (Original) The digital display apparatus according to claim 8, wherein

the information is displayed on the road surface within a range from about 4 meters to about 17 meters ahead in a direction of traveling of the vehicle.

14. (Original) The digital display apparatus according to claim 8, wherein

the information includes at least one of a graphic, a symbol, a letter, a number, a leveling mark, and a mark that indicates width of the vehicle.

15. (Original) A method of displaying information for a digital display apparatus for a vehicle, the digital display apparatus including two reflection type digital light deflectors, the method comprising:

calculating a polygon that is a shape of information to be displayed;

outputting the polygon to one of the reflection type digital light deflectors as a first control signal;

calculating a first rectangle that surrounds the polygon;

calculating a second rectangle that surrounds the first rectangle;

outputting the second rectangle to other of the reflection type digital light deflectors as a second control signal; and

displaying information that is formed by the one of the reflection type digital light deflectors based on the first control signal and a non-lighting portion formed by the other of the reflection type digital light deflectors based on the second control signal on a road surface so that the non-lighting portion surrounds the information.

16. (Original) The method according to claim 15, further comprising:

acquiring environmental information surrounding the vehicle; and

outputting the environmental information acquired as an information signal, wherein the information to be displayed is determined based on the information signal.

17. (Original) The method according to claim 15, wherein

the information is displayed on the road surface within about 17 meters ahead in a direction of traveling of the vehicle.

18. (Original) The method according to claim 15, wherein

the information is displayed on the road surface within about 14 meters ahead in a direction of traveling of the vehicle.

19. (Original) The method according to claim 15, wherein  
the information is displayed on the road surface within a range from about 4 meters to  
about 17 meters ahead in a direction of traveling of the vehicle.

20. (Original) The method according to claim 15, wherein  
the information includes at least one of a graphic, a symbol, a letter, a number, a  
leveling mark, and a mark that indicates width of the vehicle.